

Claims 1-38 are pending in this application.

Claim 1 has been broadened to replace the term "resistivity sensor" by the term "directionally sensitive formation evaluation sensor."

Claim 1 has been broadened to replace the term "dip angle" with the term "local spatial characteristic."

Claims 2, 3, 4, 5, 7, 9, 16, 18, 19 have been amended consistent with the amendments to claim 1.

Claims 12 and 15 have been canceled.

Claim 13 has been broadened with replacement of the term "gyroscope" by "sensor".

Claim 20 has been broadened in a manner similar to claim 1.

Claims 21-24, 26, 28, 29, 35 have been amended consistent with amended claim 20.

Claims 31 and 34 have been canceled.

The term "resistivity sensor" in new claim 39 was originally in claim 1.

The term "nuclear sensor" in claim 39 is supported by the gamma ray sensor of figure 3 and discussed extensively in the application.

New dependent claim 40 includes limitations originally in claims 1 and 17.

New dependent claim 41 has support in paragraph [0039].

New dependent claim 42 includes a limitation in original claim 13.

New dependent claim 43 is similar to new claim 39.

Claim 44 is similar to claim 40.

Support for claims 45 and 46 is found in paragraph [0071] of the application.

No new matter has been added by the amendments. Consideration of the application as amended is respectfully requested.

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 02-0429 (414-29494-USCP).

Respectfully submitted,

Dated: September 7, 2004


Kaushik P. Sriram, Reg. No. 43,150
Madan, Mossman & Sriram, P.C.
2603 Augusta, Suite 700
Houston, Texas 77057
Telephone: (713) 266-1130
Facsimile: (713) 266-8510